

EYE COLOR

gender

	Br	Gr	H2	Blue	Black	total
M	4	0	5	2	0	11
F	7	2	2	2	0	13
Tot.	11	2	7	4	0	24

row = gender
column = eye color
of cells = 10

$$P(\text{Br}) = \frac{11}{24} = 45.83\%$$

$$P(\text{Bl}) = \frac{4}{24} = 16.667\%$$

$$P(BI./M) = \frac{2}{11}$$

$$P(M) = \frac{11}{24} =$$

$$P(M \cap H) = \frac{5}{24}$$

$$P(Br./F) = \frac{7}{13}$$

$$\textcircled{1} \quad e) P(D) = \frac{250}{500} = 50\%$$

$$f) P(F \cap R) = \frac{125}{500} = 25\%$$

$$g) P(R|F) = \frac{125}{190} = 65.79\%$$

$$h) P(N|I) = \frac{25}{50} = 50\%$$